

ABSTRACT

The present invention relates to an electrode for an electrochemical cell which comprises a cathode containing a 5 proton-conducting compound as an electrode active material, an anode containing a proton-conducting compound as an electrode active material and an electrolyte containing a proton source, comprising a proton-conducting compound and an anion-exchange resin. This invention can be used to 10 improve cycle-life properties and high-speed charge/discharge properties in an electrochemical cell.